FIG. 1

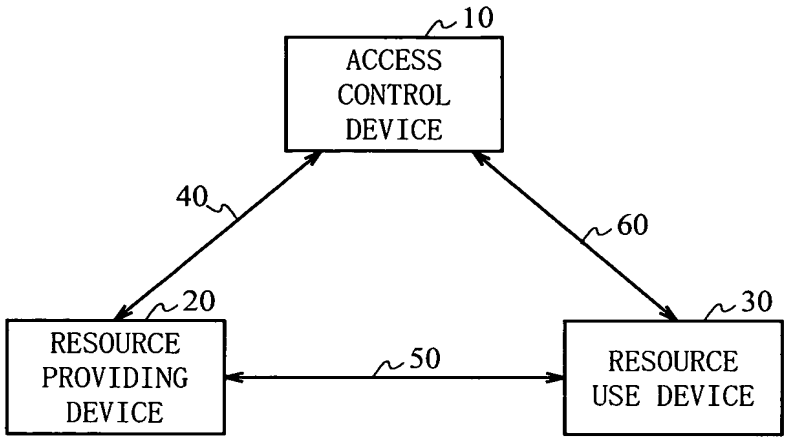


FIG. 2

11 PROVIDING SIDE	12 USE SIDE	13 COMMUNICATION I/F	14 ACCESS
MOBILE PHONE B	MOBILE PHONE E	eth0	REFERENCE TO CONFIDENTIAL REFERENCE MATERIAL
INSTALLATION-TYPE DEVICE C	MOBILE PHONE B	ANY	VIDEO VIEWING
PERSONAL COMPUTER D	MOBILE PHONE E	eth1	PRINTING
INSTALLATION-TYPE DEVICE C	MOBILE PHONE F	ttyS0	REMOTE CONTROL
PERSONAL COMPUTER D	PERSONAL COMPUTER G	eth0	FILE WRITE

104

FIG. 3

21	22	23
CONTROL SIDE	USE SIDE	ACCESS
MOBILE PHONE B	MOBILE PHONE E	REFERENCE TO CONFIDENTIAL REFERENCE MATERIAL
MOBILE PHONE H	MOBILE PHONE B	VIDEO VIEWING
MOBILE PHONE H	MOBILE PHONE E	PRINTING
INSTALLATION-TYPE DEVICE I	INSTALLATION-TYPE DEVICE F	REMOTE CONTROL
PERSONAL COMPUTER J	PERSONAL COMPUTER G	FILE WRITE

204

FIG. 4

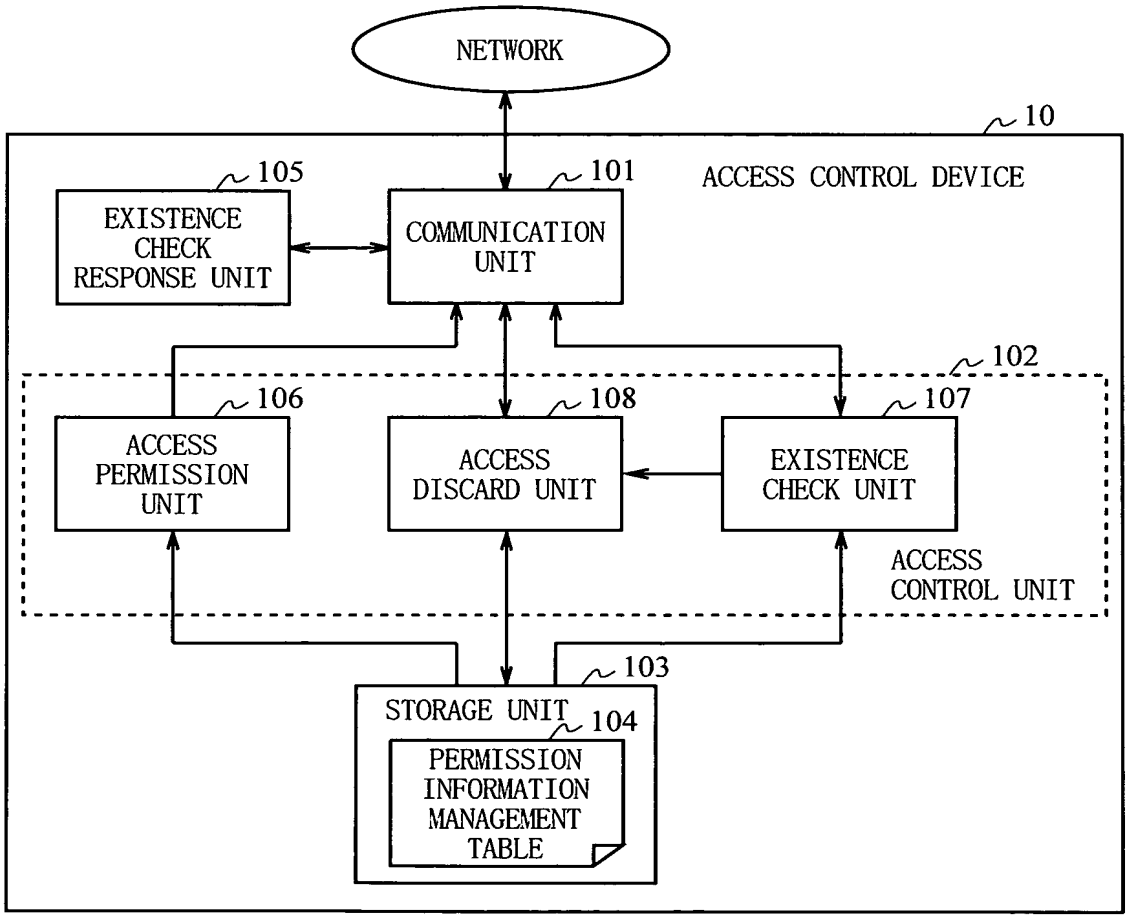


FIG. 5

TYPE	
DEVICE ID	
CONTROL INFORMATION	COMMAND
	PARAMETER RESTRICTION

FIG. 6

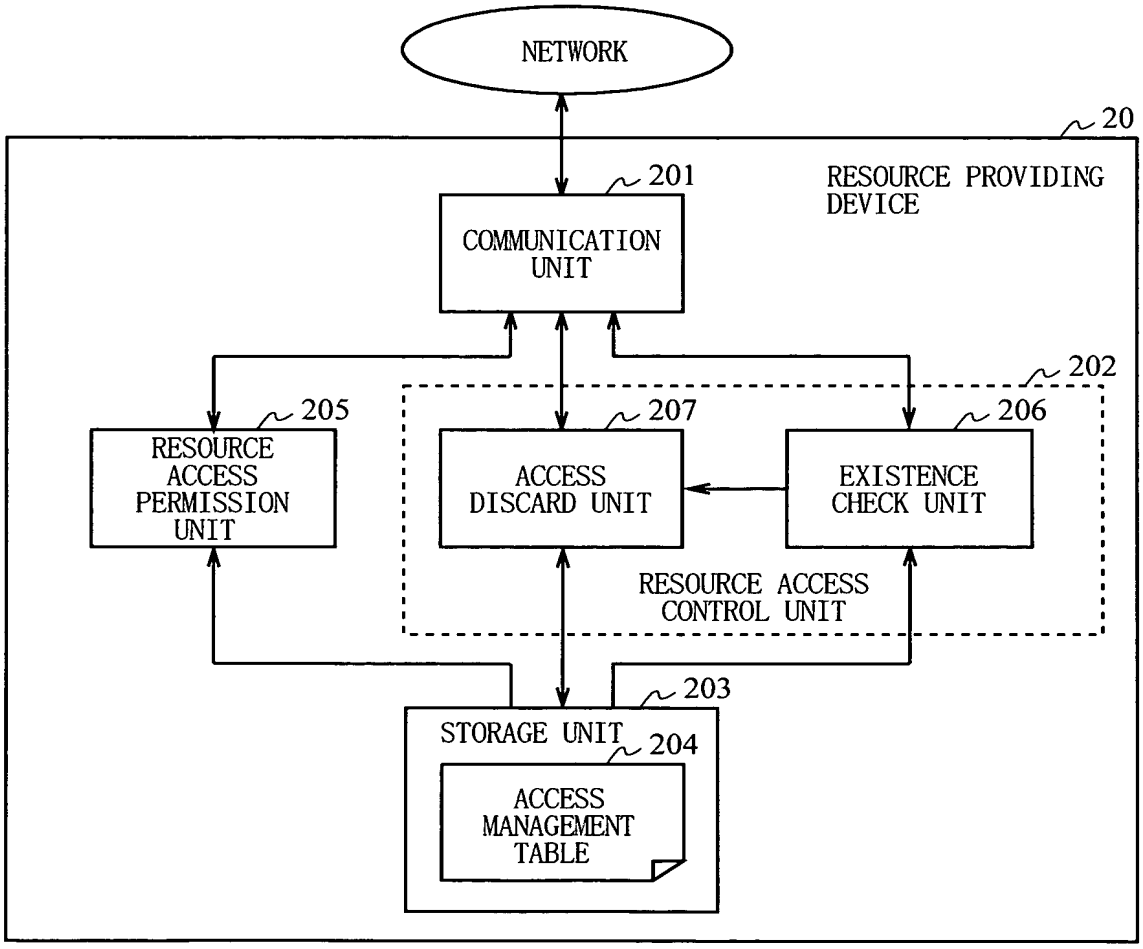


FIG. 7

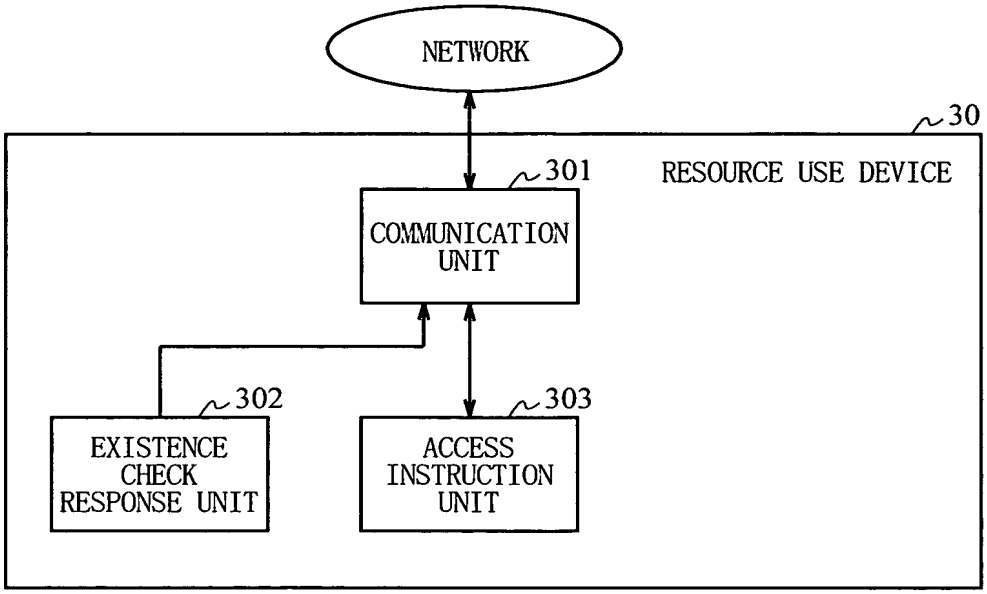

NETWORK
30
301
RESOURCE USE DEVICE
COMMUNICATION UNIT
302
303
EXISTENCE CHECK RESPONSE UNIT
ACCESS INSTRUCTION UNIT

FIG. 8

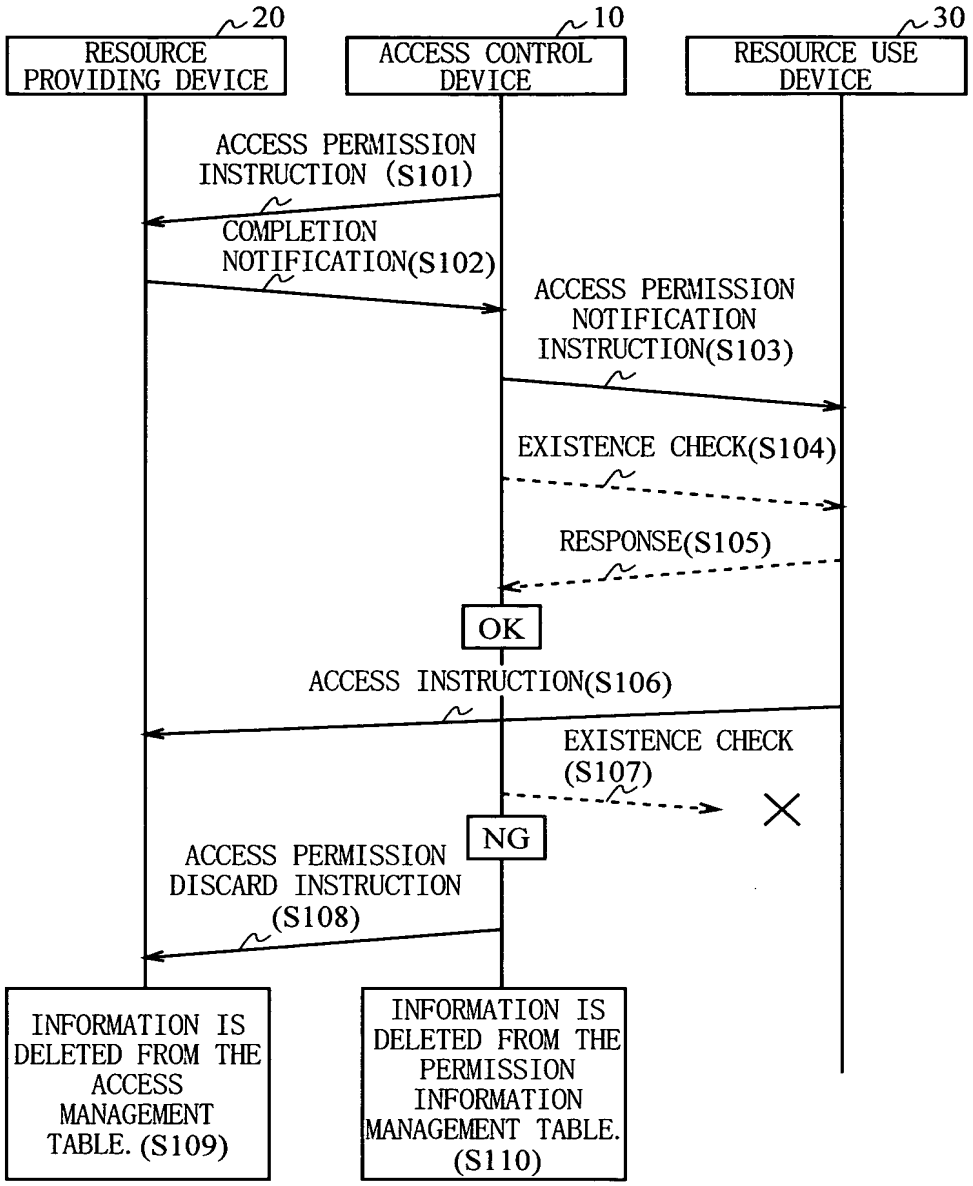

20
RESOURCE PROVIDING DEVICE
10
ACCESS CONTROL DEVICE
30
RESOURCE USE DEVICE
ACCESS PERMISSION INSTRUCTION (S101)
COMPLETION NOTIFICATION(S102)
ACCESS PERMISSION NOTIFICATION INSTRUCTION(S103)
EXISTENCE CHECK(S104)
RESPONSE(S105)
OK
ACCESS INSTRUCTION(S106)
EXISTENCE CHECK (S107)
NG
ACCESS PERMISSION DISCARD INSTRUCTION (S108)
INFORMATION IS DELETED FROM THE ACCESS MANAGEMENT TABLE. (S109)
INFORMATION IS DELETED FROM THE PERMISSION INFORMATION MANAGEMENT TABLE. (S110)

FIG. 9

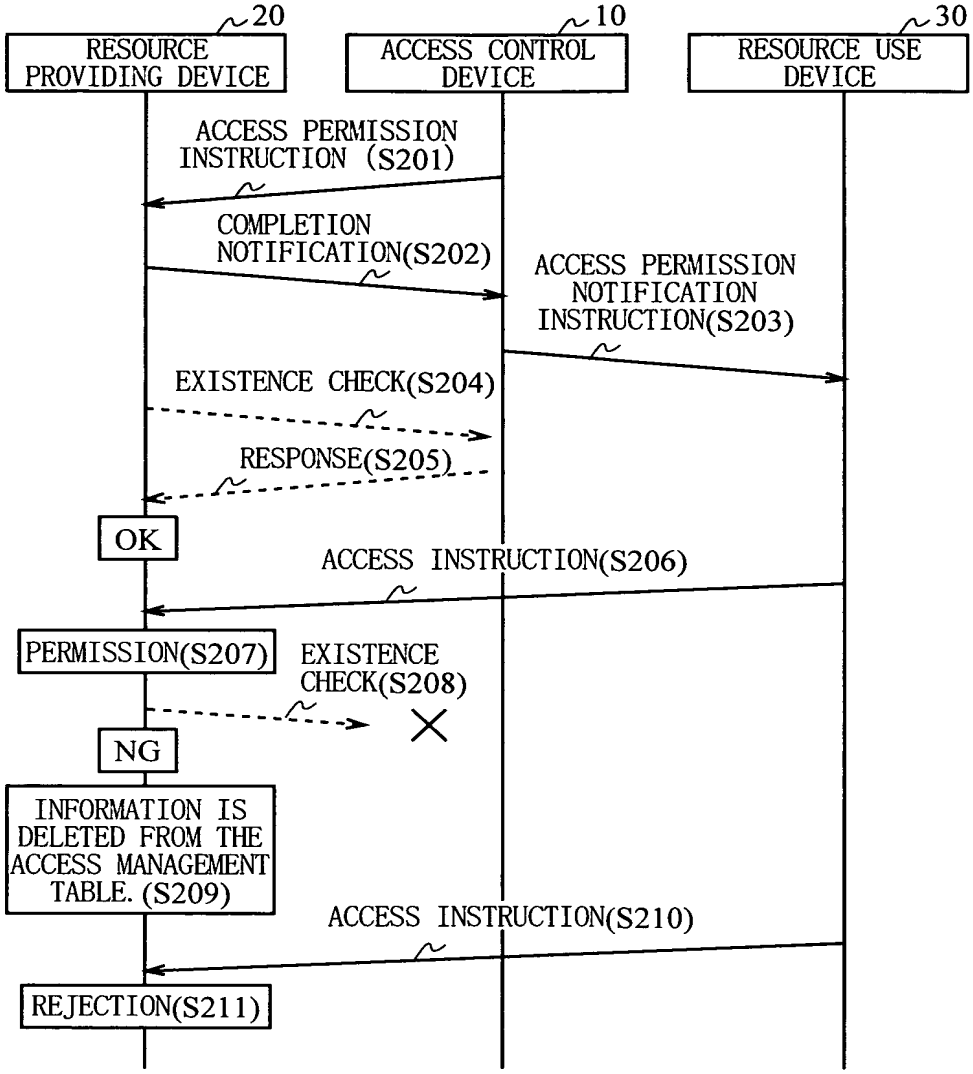

20
RESOURCE PROVIDING DEVICE
10
ACCESS CONTROL DEVICE
30
RESOURCE USE DEVICE
ACCESS PERMISSION INSTRUCTION (S201)
COMPLETION NOTIFICATION(S202)
ACCESS PERMISSION NOTIFICATION INSTRUCTION(S203)
EXISTENCE CHECK(S204)
RESPONSE(S205)
OK
ACCESS INSTRUCTION(S206)
PERMISSION(S207)
EXISTENCE CHECK(S208)
NG
INFORMATION IS DELETED FROM THE ACCESS MANAGEMENT TABLE. (S209)
ACCESS INSTRUCTION(S210)
REJECTION(S211)

FIG. 10

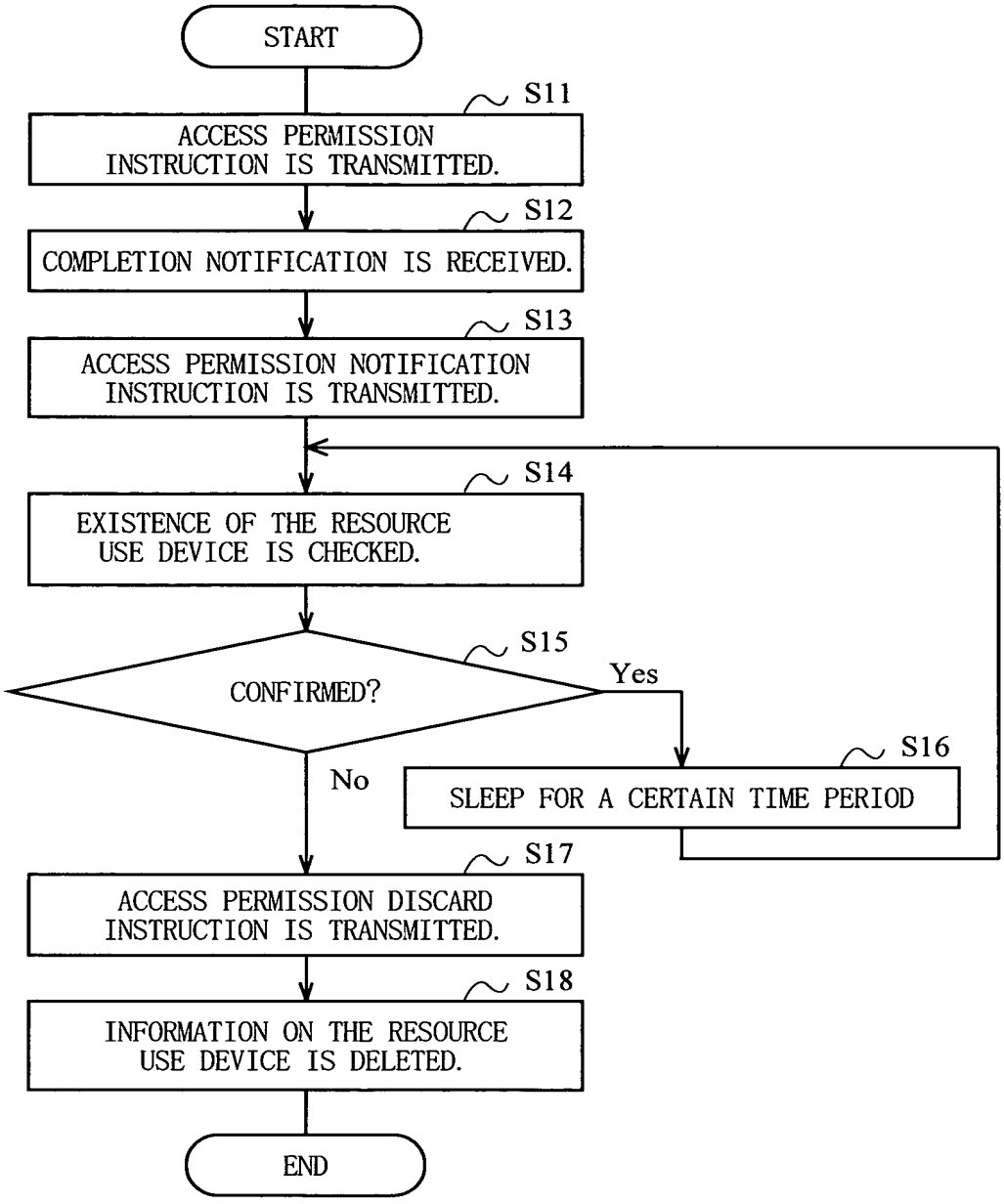

START
S11
ACCESS PERMISSION INSTRUCTION IS TRANSMITTED.
S12
COMPLETION NOTIFICATION IS RECEIVED.
S13
ACCESS PERMISSION NOTIFICATION INSTRUCTION IS TRANSMITTED.
S14
EXISTENCE OF THE RESOURCE USE DEVICE IS CHECKED.
S15
CONFIRMED?
Yes
No
S16
SLEEP FOR A CERTAIN TIME PERIOD
S17
ACCESS PERMISSION DISCARD INSTRUCTION IS TRANSMITTED.
S18
INFORMATION ON THE RESOURCE USE DEVICE IS DELETED.
END

FIG. 11

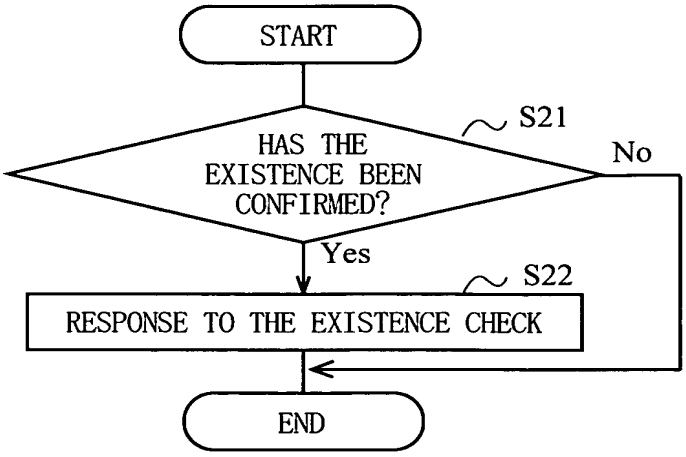

START
S21
HAS THE EXISTENCE BEEN CONFIRMED?
No
Yes
S22
RESPONSE TO THE EXISTENCE CHECK
END

FIG. 12

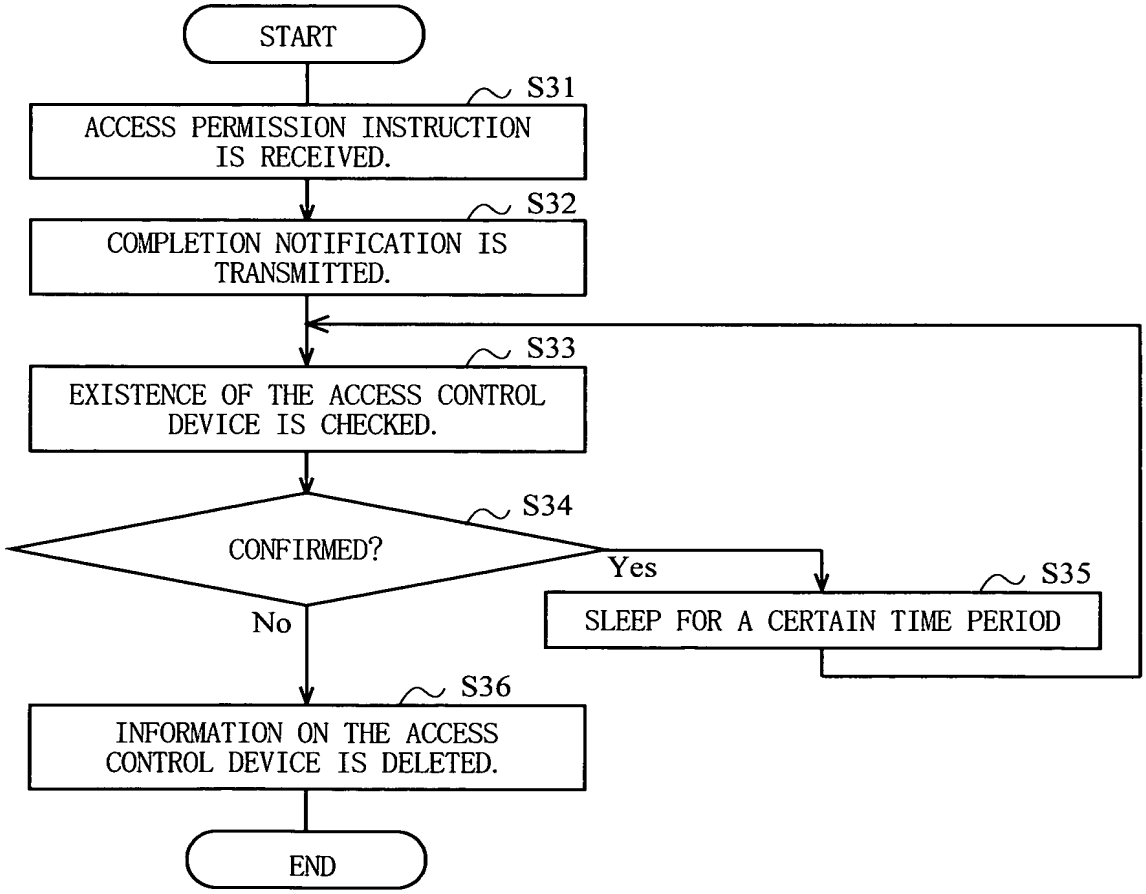

START
S31
ACCESS PERMISSION INSTRUCTION IS RECEIVED.
S32
COMPLETION NOTIFICATION IS TRANSMITTED.
S33
EXISTENCE OF THE ACCESS CONTROL DEVICE IS CHECKED.
S34
CONFIRMED?
Yes
S35
SLEEP FOR A CERTAIN TIME PERIOD
No
S36
INFORMATION ON THE ACCESS CONTROL DEVICE IS DELETED.
END

FIG. 13

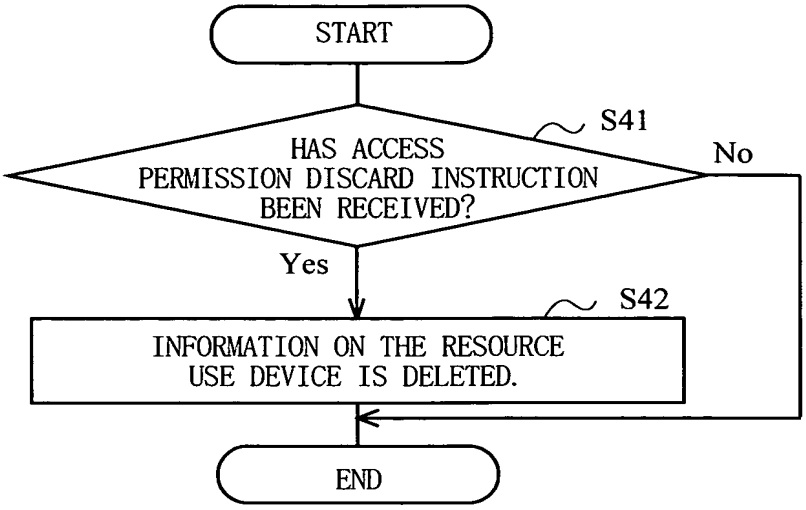
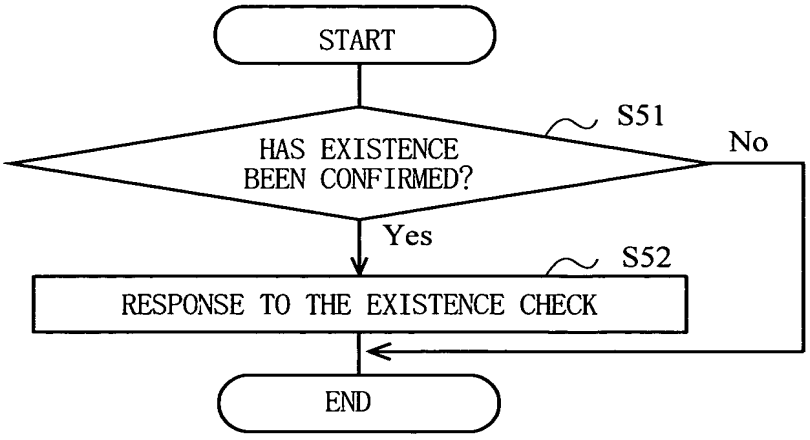

START
S41
HAS ACCESS PERMISSION DISCARD INSTRUCTION BEEN RECEIVED?
No
Yes
S42
INFORMATION ON THE RESOURCE USE DEVICE IS DELETED.
END

FIG. 14


START
S51
HAS EXISTENCE BEEN CONFIRMED?
No
Yes
S52
RESPONSE TO THE EXISTENCE CHECK
END